

Figure 1

# Scheme of immunization

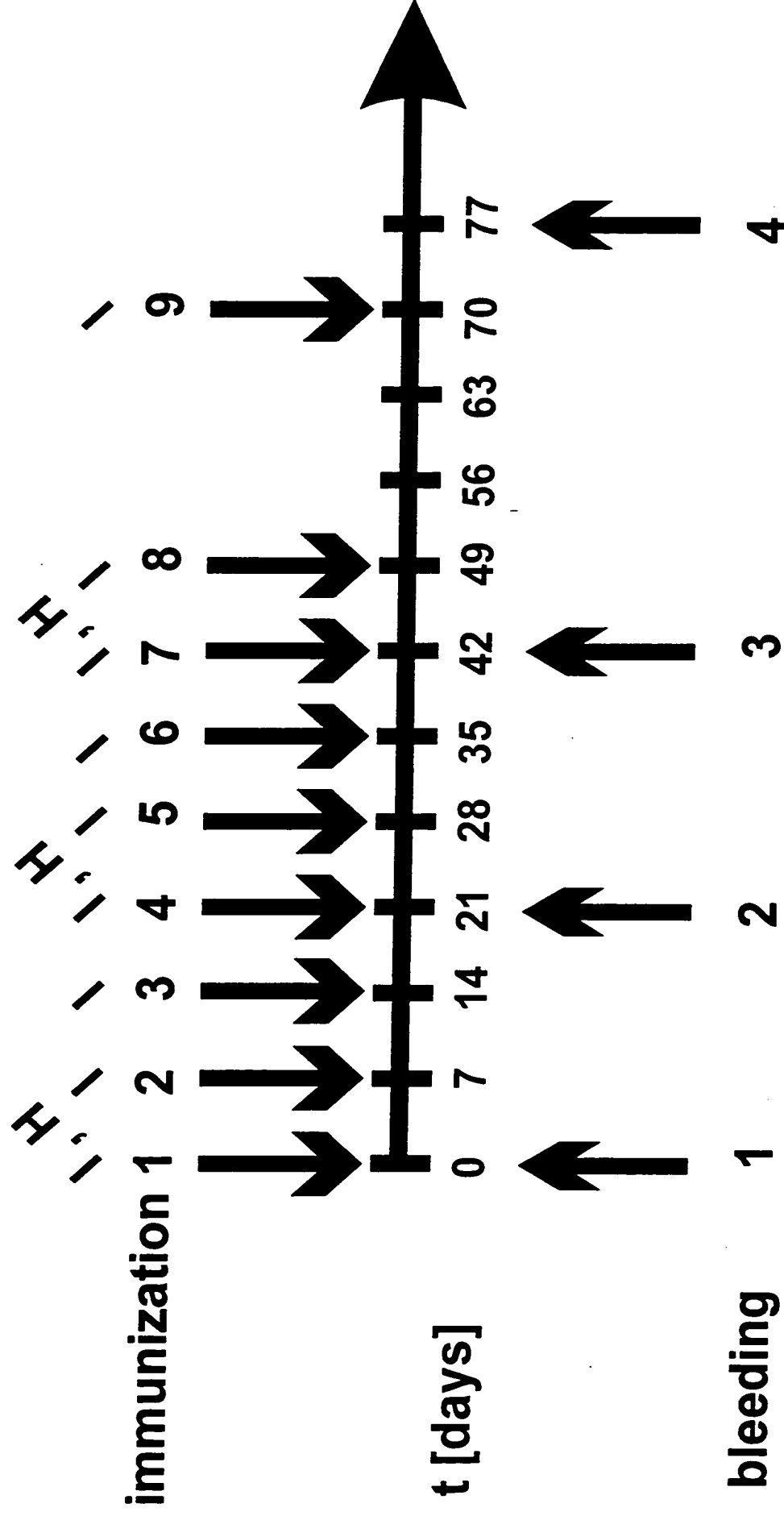


Figure 2

### Stability of recombinant Bet v 1 fragments and Bet v 1 trimer

#### Study design

Test method: SDS-PAGE (Ph. Eur. Suppl. 2000, 2.2.31.)

Test temperatures (°C), duration (days = d), conditions (solution): see below

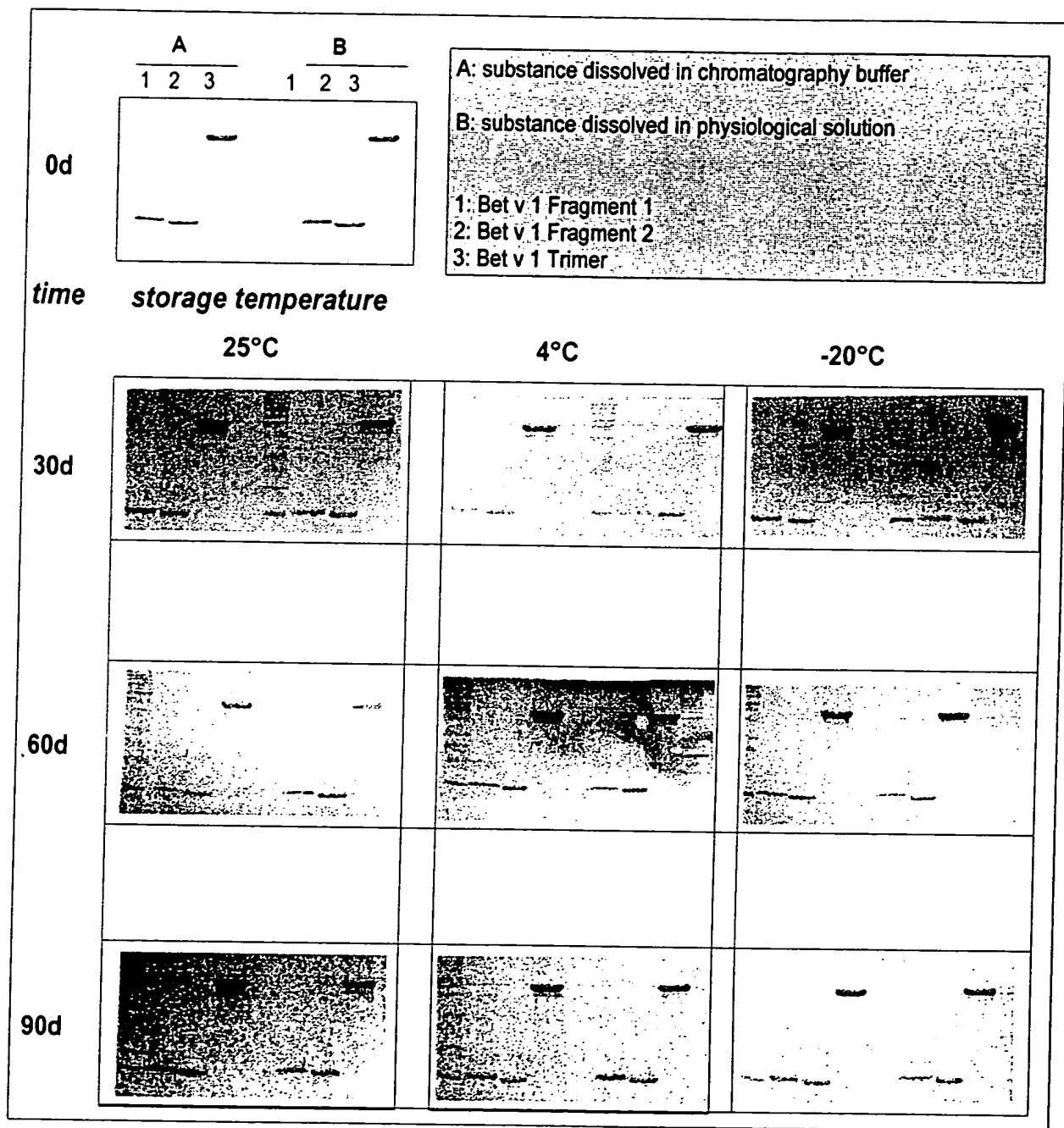


Figure 3a

# IgG<sub>1</sub>-ELISA

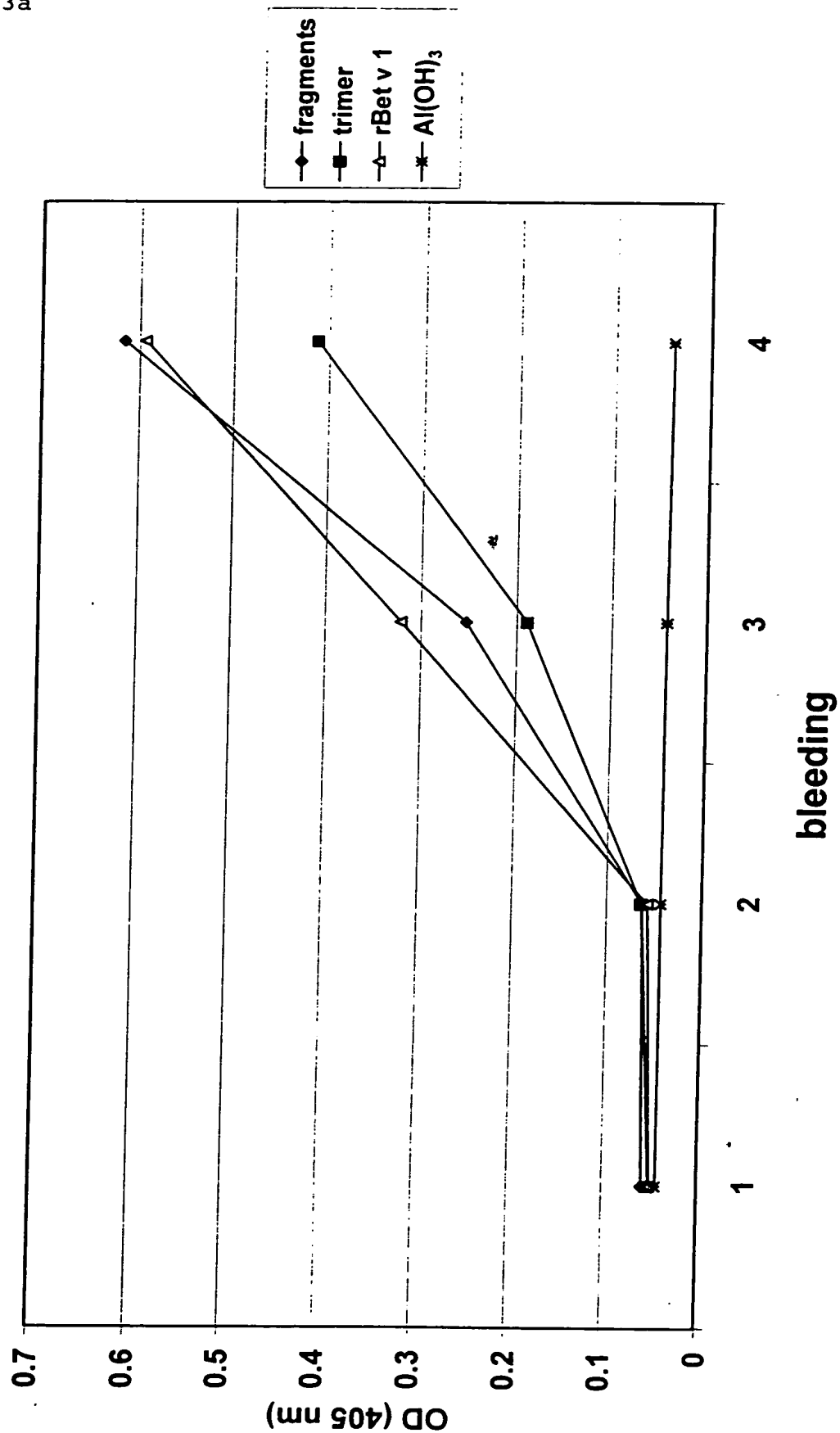


Figure 3b

# IgG<sub>2a/b</sub>-ELISA

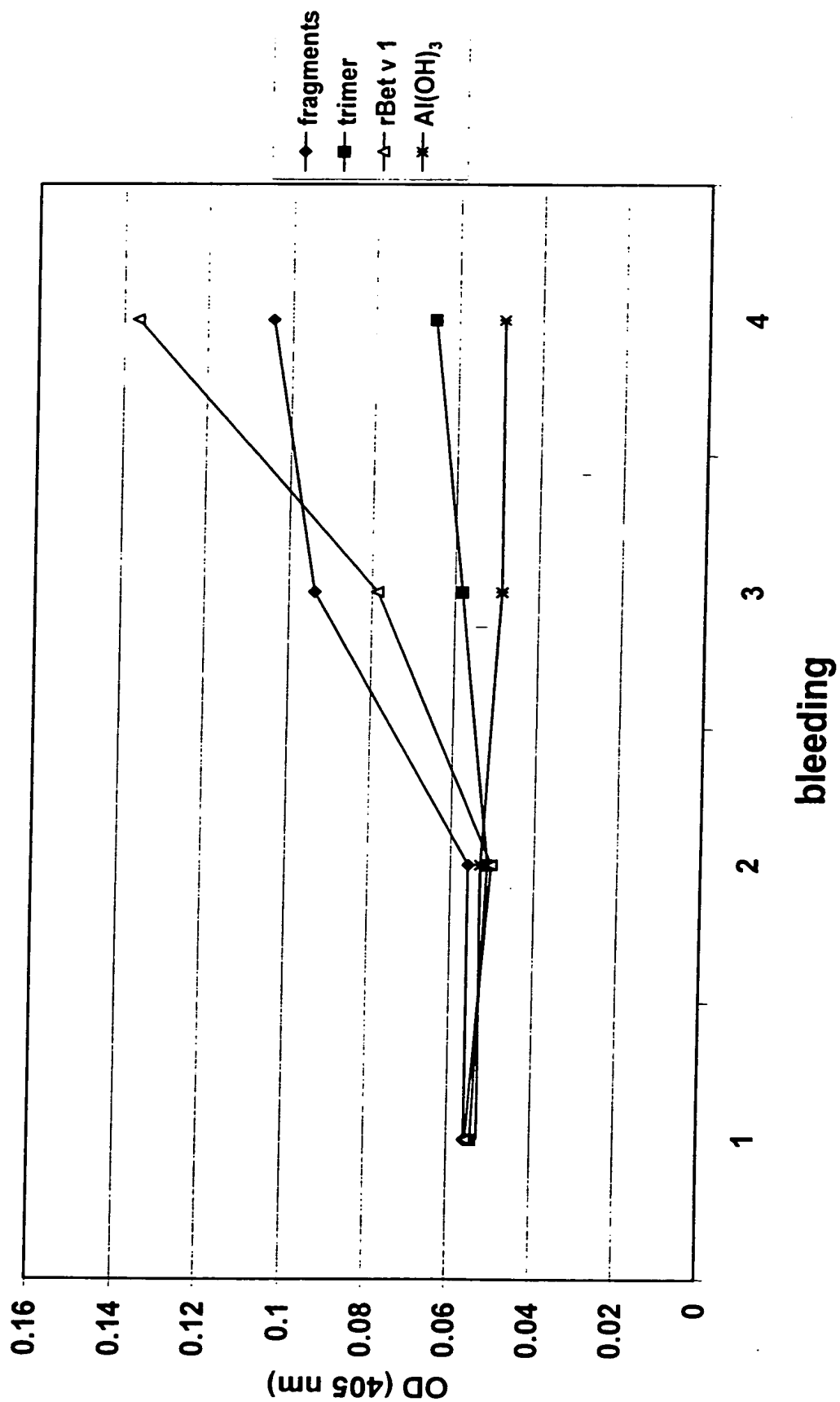


Figure 3c

# IgE-ELISA

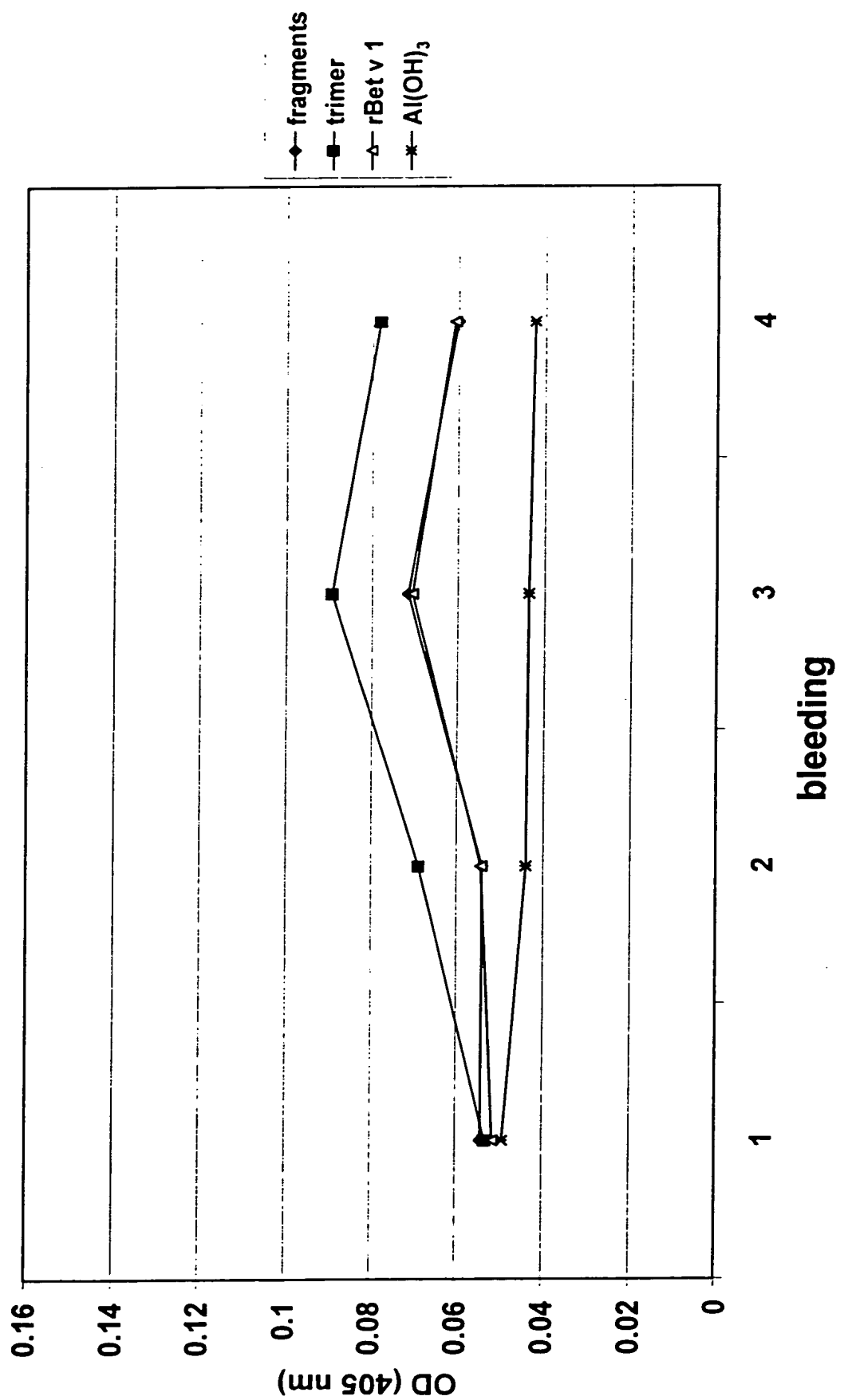


Figure 4

# Induction of IgG<sub>1</sub> antibodies to fragment 1 and 2

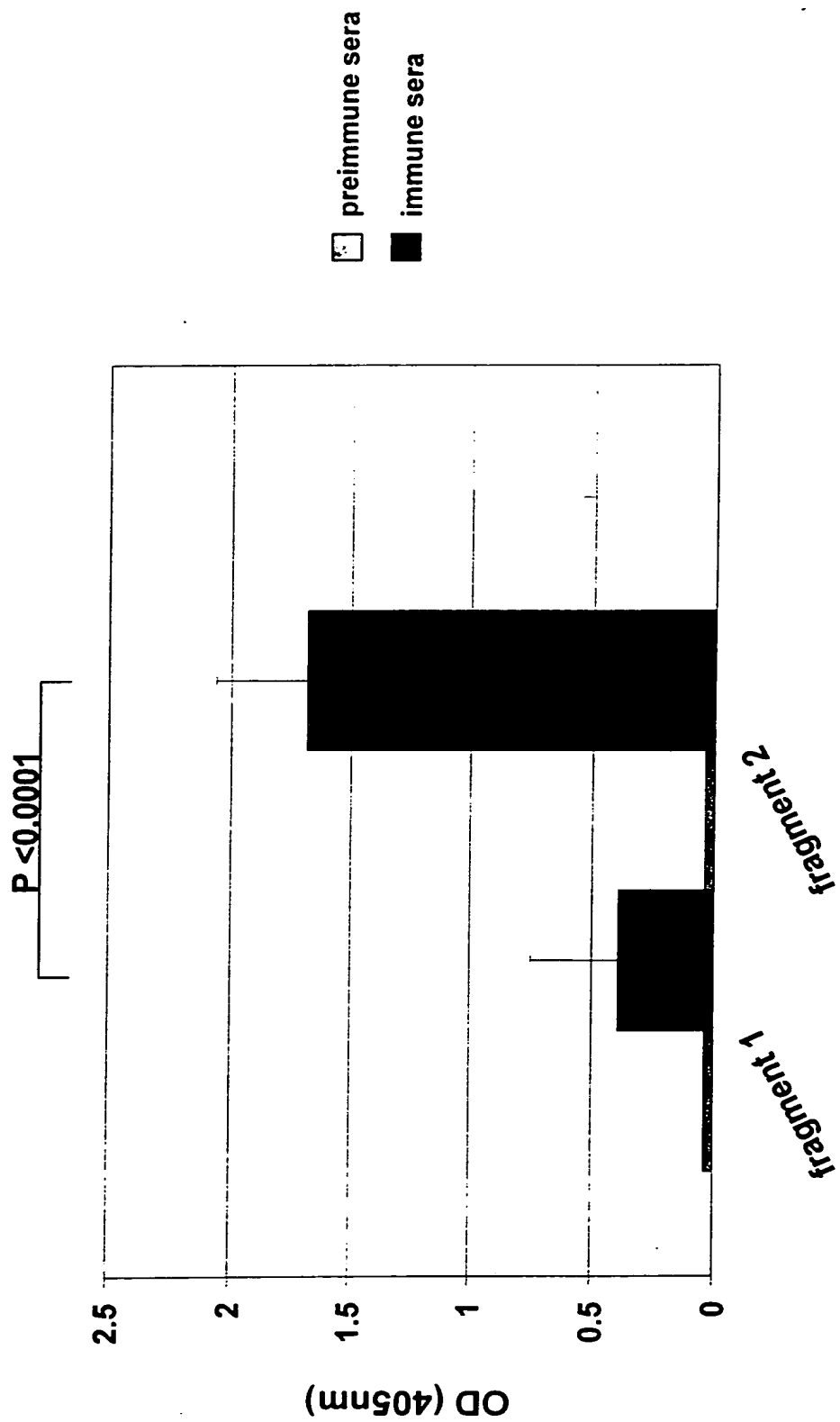
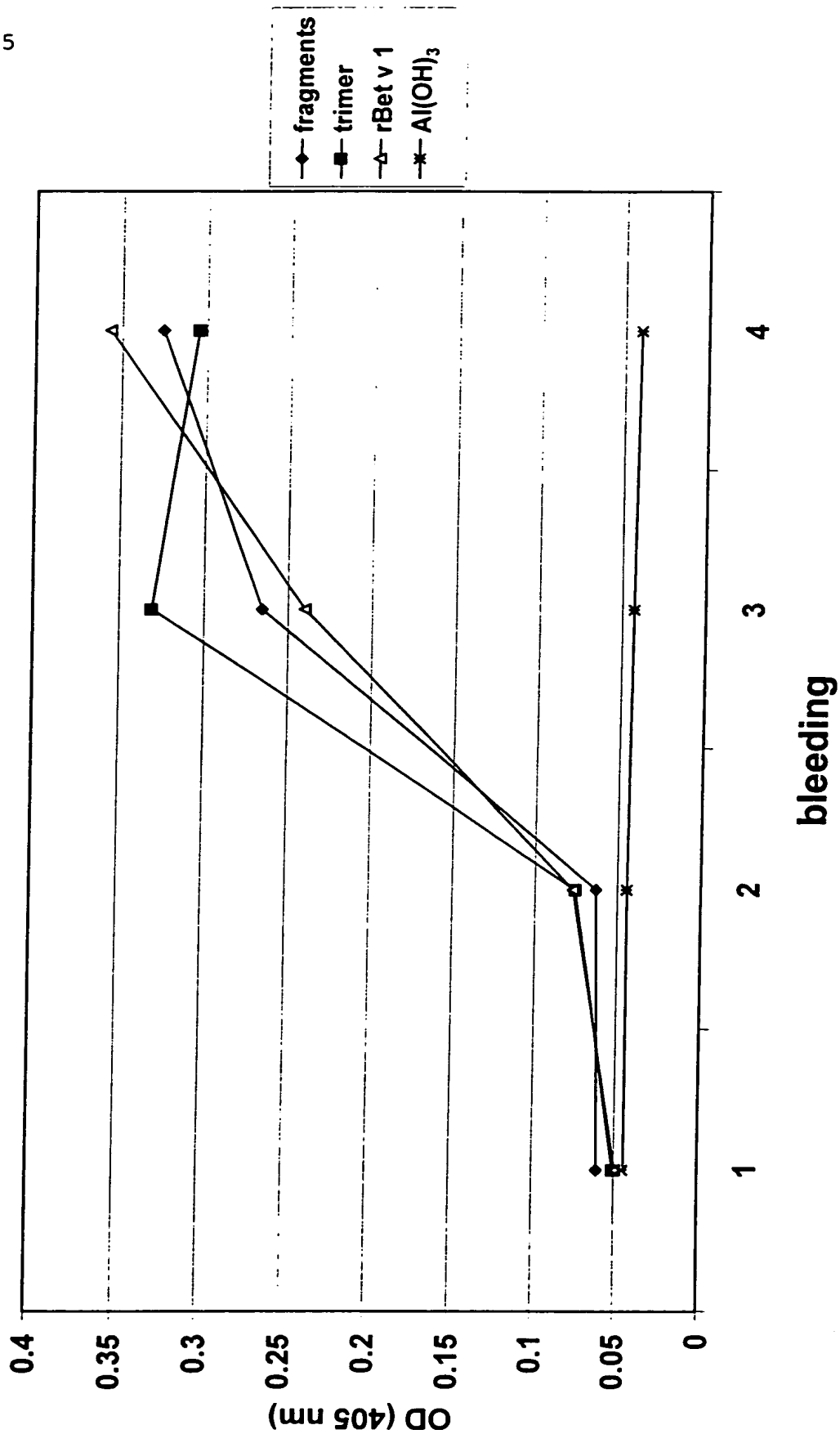


Figure 5

# IgG<sub>1</sub>-ELISA (high dose immunization)



# Induction of IgE responses during immunization with increasing and high doses

Figure 6

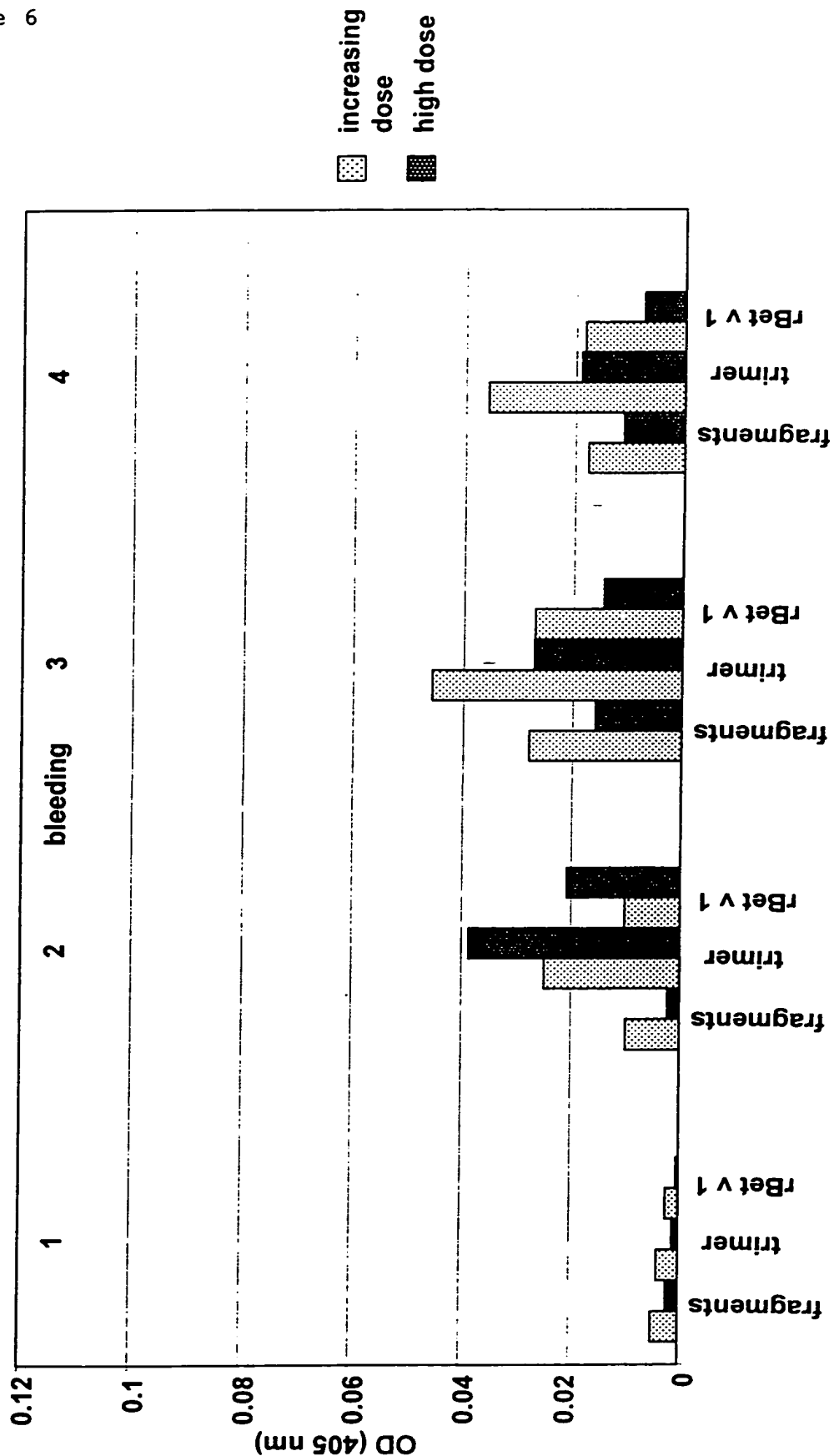




Figure 7a

## Birch pollen extract

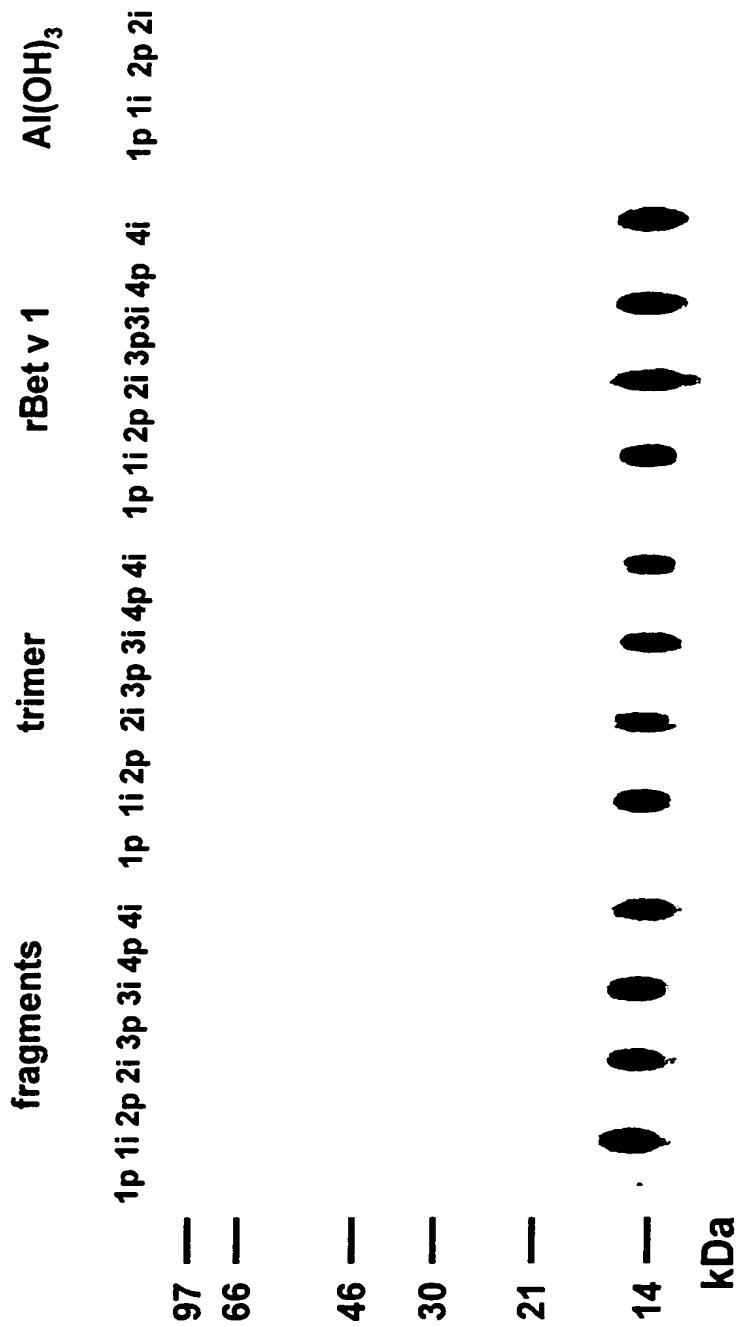


Figure 7b

# Alder pollen extract

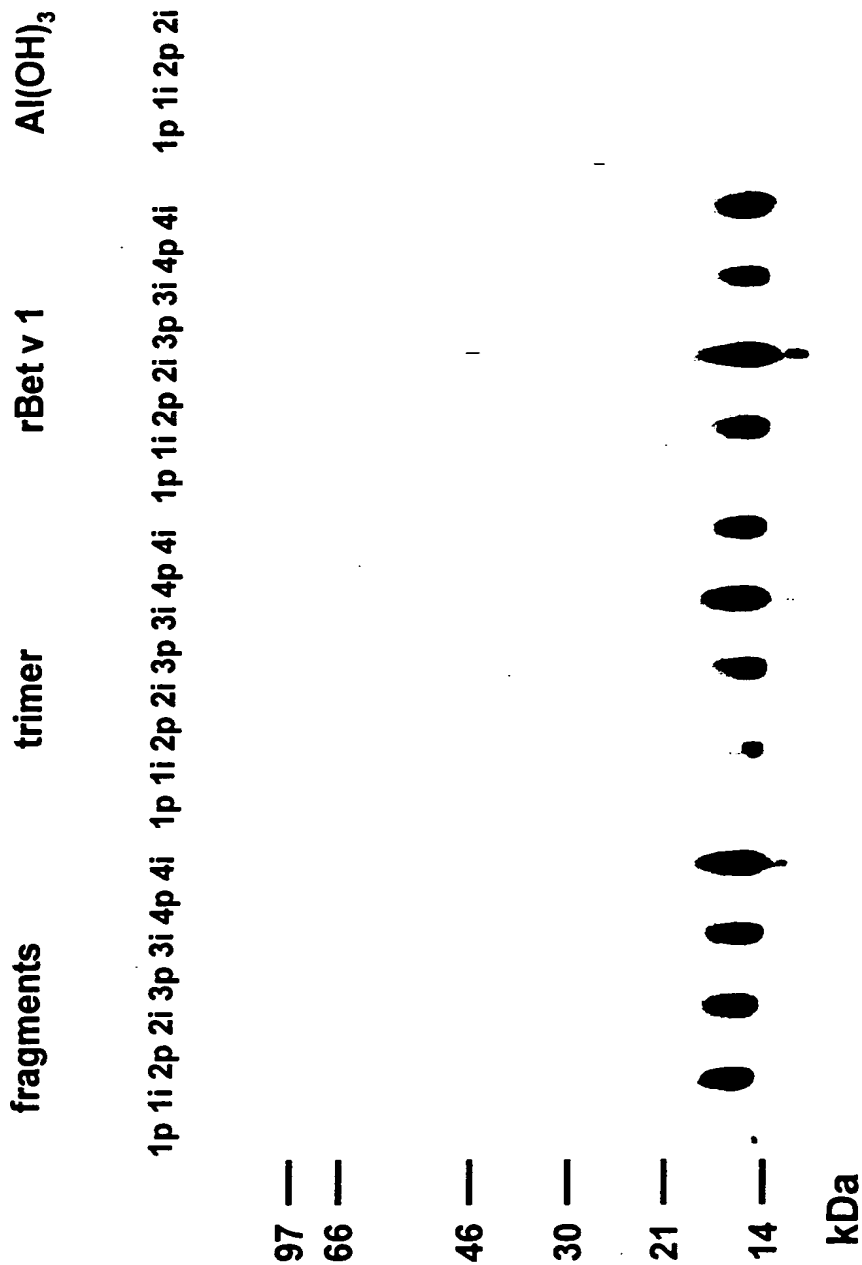


Figure 7c

# Hazel pollen extract

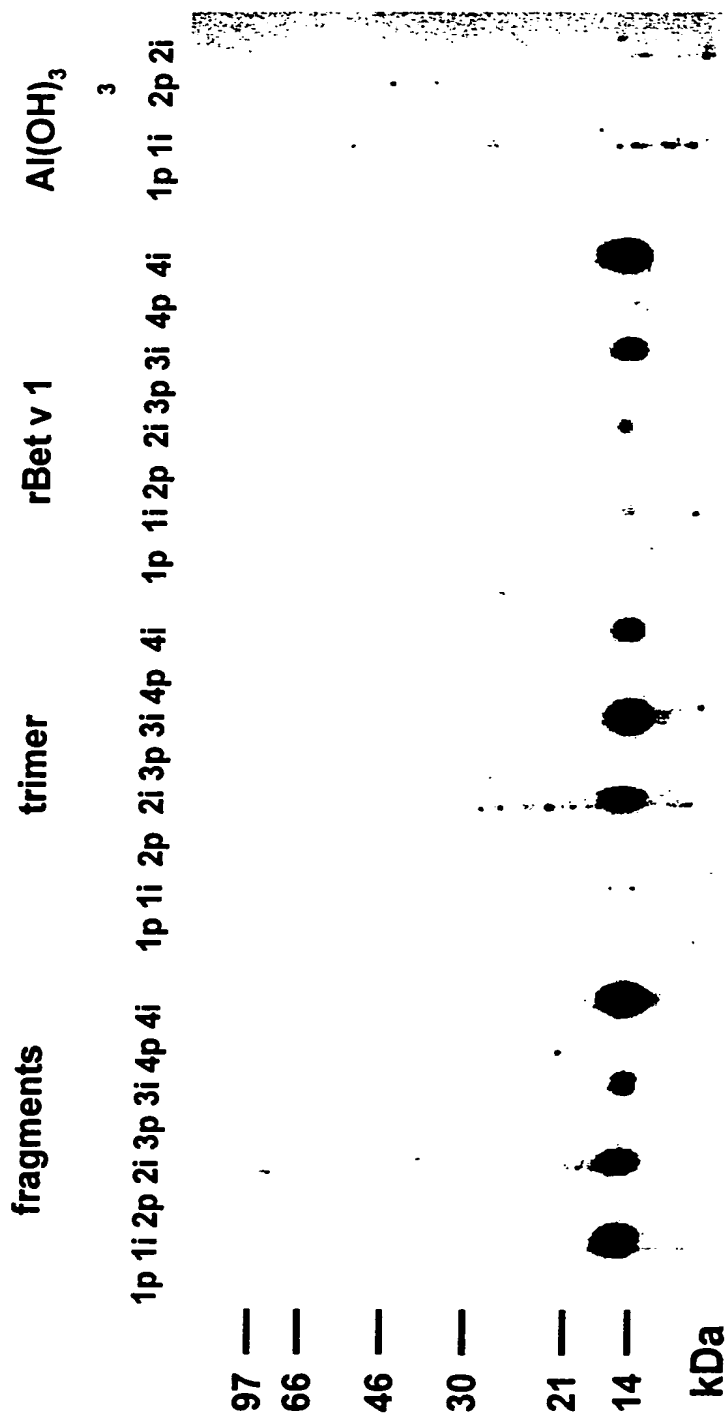


Table 1. Inhibition of patients IgE binding to rB t v 1 by murin antisera

Murine antiserum raised against:	Percentage inhibition of patients' (P1-P10) IgE binding to rBet v 1										mean inhibition
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	
increasing dose scheme:											
fragments (m)	75.05	89.38	79.97	81.32	76.31	86.66	65.66	65.27	60.52	80.60	76.07
fragments (f)	72.33	87.00	79.89	78.04	67.74	73.57	63.30	76.32	58.36	76.65	73.32
trimer (m)	39.54	35.83	36.80	35.25	28.93	33.04	31.62	35.95	14.65	21.59	31.32
trimer (f)	67.58	85.26	72.47	72.30	65.59	80.79	56.77	70.00	50.00	71.66	69.24
rBet v 1 (m)	63.24	75.10	59.30	44.66	61.45	69.31	42.56	58.01	42.65	62.41	57.87
rBet v 1 (f)	75.18	84.01	76.88	73.16	73.20	79.64	32.80	61.38	47.03	75.88	67.92
high dose scheme:											
fragments (m)	57.14	59.53	53.56	51.87	45.81	55.65	39.56	52.60	24.24	18.18	45.81
fragments (f)	49.93	56.81	49.70	51.89	40.34	51.99	31.01	43.41	29.90	42.58	44.76
trimer (m)	21.08	33.46	20.93	27.65	20.64	28.05	11.63	26.50	13.23	17.99	22.12
trimer (f)	38.44	46.66	35.79	41.86	24.85	42.22	14.63	31.84	20.53	31.02	32.78
rBet v 1 (m)	15.37	21.16	13.59	7.91	6.12	25.40	-10.28	15.24	23.30	38.07	15.59
rBet v 1 (f)	41.77	52.93	46.70	26.55	22.91	28.72	17.76	24.46	33.71	47.87	34.34